

June 13, 2007

The Board of Public Works & Safety met at 4:00 p.m. on the above date in the Meeting Room at City Hall Annex with Mayor Knowles presiding and members Askren and Williams attending. Others attending were Chief Beloit; Comm. Epison; Supt. Givens; Councilman Bill Curtis; Becky Higgins; Marty Wessler and Brian Mundy – M D Wessler & Associates; GIS Analyst Andrews; Randy Stapp - Lions Club; and Sally Denning – Posey County Area Chamber of Commerce.

Mayor Knowles called the meeting to order by stating members were either mailed or hand carried copies of the minutes of their previous meeting and by asking if there were any corrections or additions. She added if not, she entertains a motion to waive their reading and to approve the minutes as presented.

Board member Williams moved the reading of the minutes be waived and they be approved as presented. Seconded by Board member Askren.

Mayor Knowles stated all those in favor of the motion should signify in the affirmative; and following the vote, she reported the motion carried unanimously.

Mayor Knowles requested action on the claims presented.

Board member Williams moved the claims presented be allowed for payment. Seconded by Board member Askren.

Mayor Knowles stated all those in favor of the motion should signify in the affirmative; and following the vote, she reported the motion carried unanimously.

*****CLAIMS*****

Sewage

\$ 17,385.03

Mayor Knowles stated they will now hear the reports of the Departments.

Supt. Givens explained that when the plant operates, there is a north side of the plant and a south side of the plant, and he had always assumed it was required to run both sides of the plant for proper operation. He has since found out that during an average dry flow day, a flow of 2.5 Mg/day, only one side of the plant needs to run, he can alternate sides.

Board member Williams asked if there is a cost savings in doing it that way ?

Supt. Givens replied he is not sure, but does not see where it will make much of a difference.

Mayor Knowles added Supt. Givens can continue to try and see if he notices any savings.

Supt. Givens added since it has been so dry, they dropped the east side aeration tank today to clean it out. He continued by stating the hard drive on his desktop computer was working Monday and he could received emails, monitor the flow data, etc., but now, it seems to not be working. He added the light won't even come on. He stated he will continue to take a look at it and see if he can figure out what is wrong.

Mayor Knowles suggested he get with Mrs. Peerman in the morning and she can give him a contact for the person who works on the computers in their office.

Supt. Givens stated he is also having trouble once again with his window air conditioner, it is failing and will not hold any Freon. He added the unit is 8-10 years old. He then stated they did replace the one in the control building/lab, but it has been suggested to him that another small unit be installed that will cool and heat in the winter time.

Mayor Knowles added must be a unit similar to those in motels.

Supt. Givens replied he does have a quote, which he presented to the Board. He then added they are actually talking about a central unit for both offices, his and the area the secretary is in.

Mayor Knowles asked how hot it is in the office ?

Supt. Givens replied he is not sure, only that it is hot, they are definitely sweating in there. He then stated a new window unit could work, but not as well as a central unit.

Mayor Knowles stated he needs to get two more quotes before he proceeds with anything.

Supt. Givens added his brand new unit keeps freezing up as well, the lines seem to be corroded. He then stated he just needs to figure out where he is and what would be the best way to proceed, though he feels the best thing would be to go with another window unit.

Mayor Knowles agreed as the quote for the central unit was on the high side. She then suggested he ask other vendors for a solution.

Supt. Givens concluded his report by stating when he was hired he obtained his Class III operator's license and he has been running the plant for a year and a half. He then stated in July he took another class and became a Class IV operator, operating in a Class III plant.

Board member Williams and Mayor Knowles both congratulated him on his success.

Board member Williams stated has a window unit that Supt. Givens can borrow in the meantime, if he needs it.

Supt. Givens replied he would rather see what he can do first, but he appreciates the offer.

Mayor Knowles asked if there were any questions ?

There were none.

Comm. Epison stated they had discussed the lightning loader at their last meeting, and it seems they have two options for the repair: a whole new unit versus replacement parts and labor to install them. He added to replace the entire new unit could cost as much as \$6,000.00, though he would rather do that than buy the replacement parts.

Board member Askren asked if he can make a trade-in ?

Comm. Epison replied no, not on junk parts. He then stated he really needs to proceed on this as he uses this machinery every day.

Board member Williams moved as long as the cost to replace the unit is not more than 15% higher than the parts(\$5,645.16), permission to purchase the new unit be given.

Seconded by Board member Askren.

Mayor Knowles stated all those in favor of the motion should signify in the affirmative; and following the vote, she reported the motion carried unanimously.

Mayor Knowles asked if there were any questions ?

There were none.

Chief Belloat stated he has no report.

Mayor Knowles asked if there were any questions ?

There were none.

GIS Analyst Andrews reported riser order #4 is in and installed; a total of 14 in this order.

Mayor Knowles asked if there were any questions ?

There were none.

Mayor Knowles stated Chief Reese is not present, so they will proceed to the Legal portion of the Agenda. She added the Lion's Club is present with a request.

Mr. Stapp stated he is present to request the use of the Riverfront for the Annual 4th of July Fireworks display. He added they have changed the night to the 7th, as not to have to compete with Evansville's show. He also stated they need to change the location of where they shoot from, as the sandbar across the river is beginning to wash away. He added they are proposing shooting from behind the old grain elevator, which would mean the dock area will need to be fenced off.

Comm. Epison stated the only problem he foresees is people trying to get down to the actual riverfront. He then suggested they discuss it later as he thinks he may know a way to make it easier.

Mayor Knowles agreed they can work out the details and asked if he had the certificate of insurance ?

Mr. Stapp replied yes, he has the certificate with him.

Mayor Knowles asked if there were any questions ?

There were none.

Mayor Knowles stated the Board consents to the request.

Board member Williams stated functions like this are important to the city and he is definitely in favor of it.

Mayor Knowles stated the next item for consideration is approval of the payroll and claims for the meeting on the 21st, which was moved to today, due to two Board members being on vacation.

Board member Askren moved payment of claims and payroll be approved. Seconded by Board member Williams.

Mayor Knowles stated all those in favor of the motion should signify in the affirmative; and following the vote, she reported the motion carried unanimously.

Mayor Knowles stated next on the Agenda is M D Wessler to discuss the Long Term Control Plan (LTCP).

Brian Mundy approached the podium and stated he would like to go over the background on the LTCP and how they got to where they are today. He explained that the LTCP was sent in draft form to IDEM and he will try to up date the Board on the combined sewers and the combined sewer overflows (CSO). He stated for those that do not know, a combined sewer is then the storm sewer and the sanitary sewer lines are in the same pipe. In years back, he added, this was done mainly because it was cheaper to run one pipe and there were no treatment requirements. He continued by stating the city's sewer lines were installed about 60 or so years ago, and the sewage treatment plant was built

somewhere around 1953. He stated in the 1970's and 1990's there was expansion done at the plant to capacity and treatment purposes. Then, in 1971 the Clean Water Act was enacted and the government funded upgrades to plants to comply with the new requirements of the EPA and IDEM. He stated this mainly referred to CSO's and how cities should control them and eventually eliminate them. He added so far, the city has filed a CSO Operational Plan with IDEM, as well as a Stream Reach Characterization and Evaluation Report, which tells the impact of the overflow on receiving water. He added the city also has implemented a sewer use ordinance which requires that no more combined sewers be constructed. He stated the city has also eliminated the Canal Street CSO, which Supt. Givens capped off and IDEM then removed that CSO from the city's permit. He added they have also made some modifications to the Sawmill Street CSO to help reduce the frequency of CSO as well as the volume.

Board member Williams asked if after these modifications they are getting acceptable numbers ?

Mr. Mundy replied no, but it did get the EPA off of the city's back. So, whose fault is all of this, he continued. It is no one's fault, it is just the way things were back then and now there are new regulations concerning discharges into the Ohio River. He then stated the Board may be wondering why have a LTCP, why ? He stated in 1994 the EPA created a policy regarding CSO's and basically the city needed to get in compliance with the Clean Water Act. He stated one of the requirements of the LTCP is "Michigan Rule"; requiring the city is to fully treat a one year/one hour storm event; and partially treat a ten year/one hour storm event. He added they must also eliminate the CSO or store and treat it to meet the Michigan Rule regulations. He then stated in September 2001, as part of the LTCP a Combined Sewer Overflow Use and Attainability Analysis Guidance Document was prepared and submitted to IDEM. This document explained how the city planned to enact controls that would reduce their CSOs. He added there are nine major elements included in the LTCP:

1. primary consideration of the impact to sensitive areas
2. establish a public participation process, like this meeting
3. maximize flow to and from the plant
4. characterize, monitor and model the CSO system
5. evaluate CSO control alternatives
6. establish CSO cost and performance curve
7. prepare implementation schedule
8. improve CSO controls based on approved schedule
9. develop post-construction monitoring

Mr. Mundy continued by giving some background on the city's LTCP. He stated June 26, 2003 the LTCP was submitted to IDEM and it then became part of the city's Agreed Order. He added unfortunately, the Plan was never reviewed by IDEM until 2005-2006. He stated it was at that time (March 23, 2006) that IDEM came up with additional requirements, and M D Wessler came on to complete the LTCP in April 2006. He then stated in September 2006 the city was informed the Sawmill Street CSO had to be eliminated and therefore, a new draft of the LTCP was submitted to IDEM on May 25, 2007. He listed the following requirements of the city's Agreed Order, issued by IDEM:

1. LTCP must be re-submitted with changes and that had to be done by June 20

2. upon approval of the plan, the city must implement the plan by the milestone dates listed in the Agreed Order
3. eliminate the SSO at E & S Housing, which has now been done
4. identify and eliminate the Inflow and Infiltration (I & I) in the system
5. achieve and maintain compliant effluent limitations

Mr. Mundy stated he will now turn the presentation over to Marty Wessler, who will discuss with the Board the LTCP in detail, basically what they have agreed to.

Mr. Wessler stated back in 2003 with the first LTCP was drafted, the city was looking at a cost of around \$4M to become compliant. Unfortunately, that will cost them a lot more today, and they have to eliminate the Sawmill Street CSO.

Board member Williams said he would like to street the have to, they have no choice at this point.

Mr. Wessler agreed and added definitely, they are in a have to situation here.

Supt. Givens also agreed and added if not, the city could face fees, fines, etc.

Mr. Wessler added those fines could be up to \$25,000 per day for failure to meet their Agreed Order. He then continued his presentation by discussing the changed requirements to the LTCP. First, he stated, Michigan Rule requirements, the city must meet its minimum requirements. The Sawmill Street CSO must be eliminated and the milestone dates for the LTCP completion must be added to the Agreed Order. He continued by stating the EPA is now involved and as a result, the city will have to sign a State Judicial Agreement. He went on to say that five year permits are issued and any upgrade/improvements, etc. are to be completed within that time, and if it has to go on longer than five years, since the state has no form for that, the judicial agreement comes into play. He added that must be returned by August.

Mayor Knowles added she is to sign the judicial agreement by the end of July.

Mr. Wessler stated that at that point, it becomes a local issue instead of a federal issue. He stated he would like to update the Board on what has been done to date.

1. manhole inspections (which GIS Analyst Andrews has worked on)
2. a system map has been prepared (which GIS Analyst Andrews has worked on)
3. flow monitoring
4. system modeling
5. revised draft of the LTCP has been completed and sent to IDEM on May 25, 2007

Mr. Wessler continued by citing evaluation and alternatives of the LTCP. He started with collection system alternatives, made up of manhole rehab and replacement and storm sewer televising, rehab, and replacement. He then stated another area is CSO reduction capital improvement alternatives, meaning a complete sewer separation; transporting all flows to the 10 year/1 hour and treating them at the plant; separation of areas tributary to the Sawmill Street CSO; and separation of areas tributary to Sawmill Street CSO and the Canal Street CSO.

Mr. Wessler continued with evaluation and alternatives to the LTCP by discussing Wastewater Treatment Plant (WWTP) alternatives. He suggested maximizing the existing 6.24 MGD plant rated capacity, the plant can't handle that. He then stated they

need to increase the peak flow capacity to 7.6MGD and actually increase that to even 11.4 MGD by adding one more secondary clarifier.

Mr. Wessler further stated there is also work that needs to be done at the plant itself starting with a new headworks, and a new wet weather treatment facility (WWTF). He also stated primary sludge pumping improvements need to be made along with a new aeration blower and hydraulic improvements. He then stated they need to return activated sludge/waste activated sludge handling improvement, an additional digester and a new emergency generator. He added IDEM won't accept that the plant was shut down due to a power outage. He then stated he will explain the LTCP that the city selected:

1. rehab of priority I and II manholes – from the inventory
2. separation of combined sewers upstream of Sawmill Street CSO
3. sanitary sewer televising and rehab of separate sewers upstream of the Sawmill Street CSO
4. removal of the Sawmill Street CSO
5. a new Mill Creek Lift Station for combined capacity of 6000 GPM
6. wastewater treatment plant improvements that will be required to increase peak wet weather flow to 7.6 MGD
7. a new wet weather treatment facility needs to be constructed

Mr. Wessler stated he will now break down the cost involved with the LTCP requirements:

CONSTRUCTION COSTS

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|---|----------------|
| 1. manhole rehab (I & II) | \$ 920,000.00 |
| 2. storm sewer rehab/replacement –
Sawmill tributary | \$ 370,000.00 |
| 3. CSO capital improvements | \$5,500,000.00 |
| 4. WWTP capital improvements | \$4,400,000.00 |

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| TOTAL | \$11,200,000.00 |
| 5. additional services (engineering, etc) | \$ 2,690,000.00 |

PROJECT ESTIMATE COST	\$13,879,000.00
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Mayor Knowles stated the old LTCP was thrown out due to the fact that no flow data was submitted.

Mr. Wessler shared the LTCP Proposed Schedule:

Project 1 –	
Sawmill tributary sewer separation	Design: 2007-2008 Const. : 2008-2009
Water Street interceptor	
Mill Creek Lift Station and Mill Creek CSO improvement	
Project 2 –	
Manhole rehabilitation	2010-2014

Project 3 –
WWTP Improvements
WWTF

Design: 2015
Const: 2016-2017

Board member Williams asked if the federal government has money that can help the city with this project ?

Mayor Knowles replied the city will apply for a grant through the CFF.

Mr. Wessler added SRF may be available and further cited Greensburg, IN as getting a 0% interest loan from IDEM. He added the project does meet SRF guidelines. He then thanked the Board for their time and asked if there were any questions ? He added he can come back to the Board once IDEM has approved the LTCP and he can also be available for any Council meetings for updates, if need be.

Board member Williams stated it seems all they can do now is wait to hear from IDEM.

Mayor Knowles added that hopefully they will hear by the end of June.

Board member Williams again stated their backs are against the wall on this, D-day is here and the Board has no choice but to proceed.

Mr. Mundy added Sawmill Street has to be eliminated.

Mayor Knowles stated where the cost is concerned, a large part of the expense is that the sewer plant has not been updated in 15 years, which is a big piece of the puzzle.

Supt. Givens stated they need to make sure all of this is right, approved, and get it going.

Mr. Mundy added the State Judicial Agreement once signed, binds the city to the milestone dates outlined in the LTCP, period, regardless of funding. He stated the city has 10 years to get it done.

Mayor Knowles replied that if the agreement is not signed, the EPA will come in, and they do not want that. She then asked if there were any questions for Wessler ?

There were none.

Mayor Knowles thanked the gentlemen from Wessler for coming and they left the meeting.

Mayor Knowles asked if anyone in the Audience wished to address the Board of Works ?

There was no response.

Mayor Knowles asked if there was any Old Business ?

There was none.

Mayor Knowles asked if there was any New Business ?

There was none.

Mayor Knowles stated if there was no further business, she entertains a motion to adjourn.

Board member Williams moved the meeting be adjourned. Seconded by Board member Askren.

Mayor Knowles stated all those in favor of the motion should signify in the affirmative; and following the vote, she reported the motion carried unanimously and adjourned the meeting.

Rosemary L. Knowles

ATTEST:

Cristi L. Wolfe
Clerk-Treasurer